

ABSTRACT OF THE DISCLOSURE
TUBING JOINT OF MULTIPLE ORIENTATIONS
CONTAINING ELECTRICAL WIRING

A tubing connection for coupling two or more joints of tubing sections is disclosed
5 comprising a plug assembly and a socket assembly. The plug assembly has a plurality of splines
and the socket assembly has a plurality of receptacles adapted to receive the plurality of splines.
The plurality of splines comprises a center spline and a plurality of outer splines configured to
allow intermeshing with receptacle splines in a plurality of orientations. A coupling collar is
used to secure the tubing joint. The plug assembly is connected to the socket assembly in a four-
10 step process of: positioning the assemblies in close proximity, aligning the spline and the
receptacle, plugging the spline into the receptacle, and then securing the two sections together
with the coupling collar. The tubing joint may also have at least one conduit that may contain a
wire or other material for transmitting power and data between the adjoined sections of tubing.